

**Fig. 1**

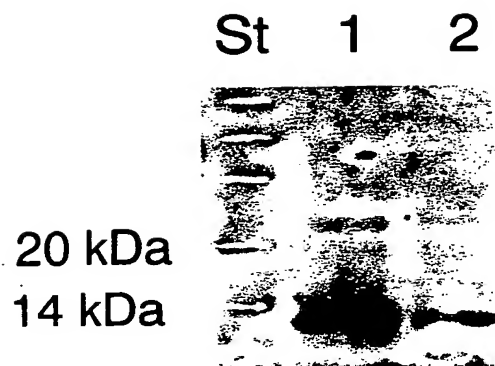
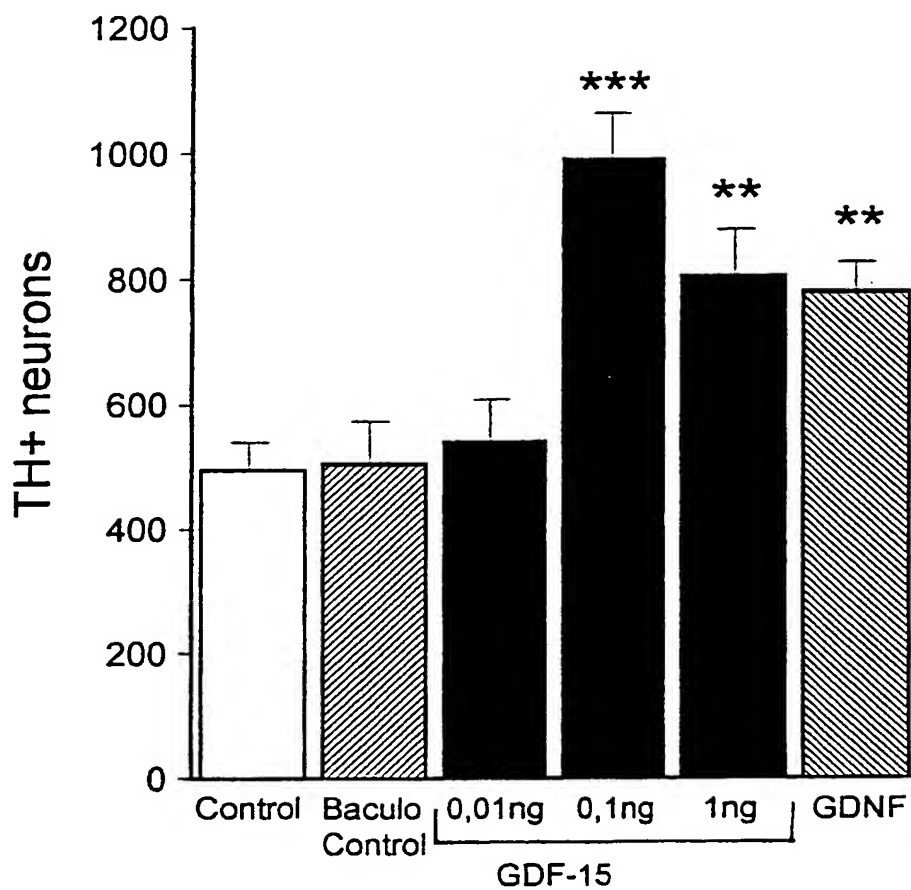


Fig. 2

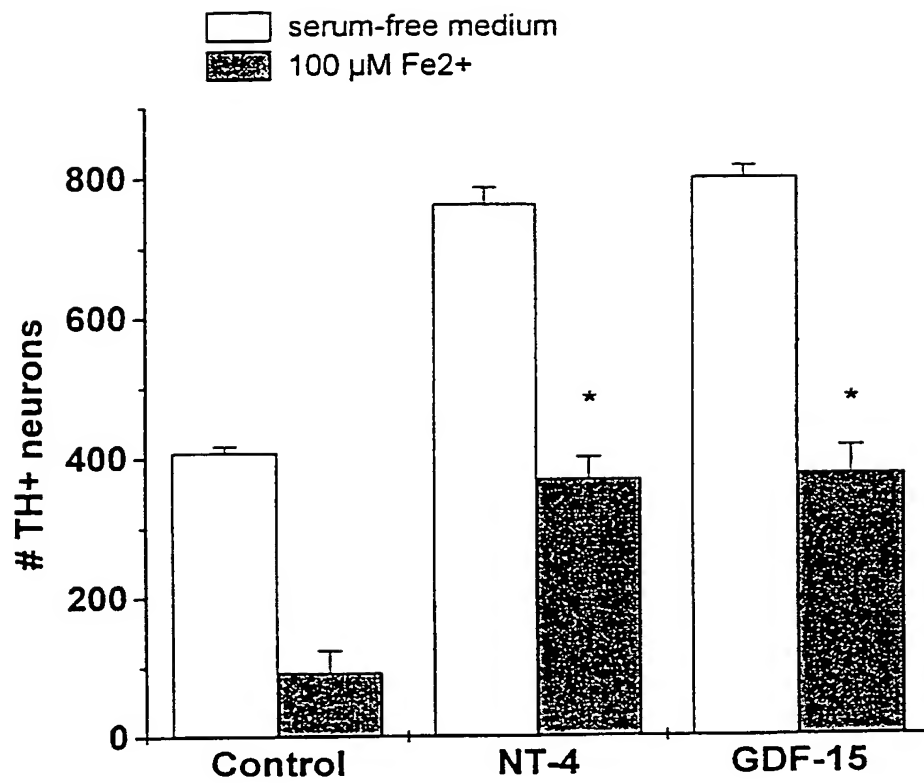
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Fig. 3



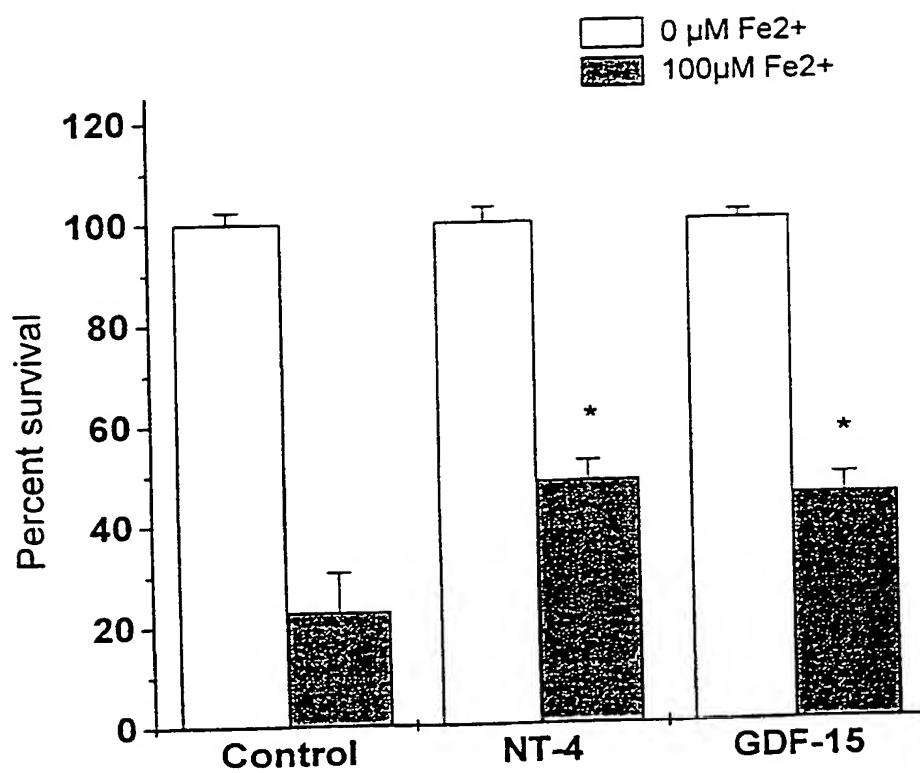
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Fig. 4A



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Fig. 4B



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Fig. 5A

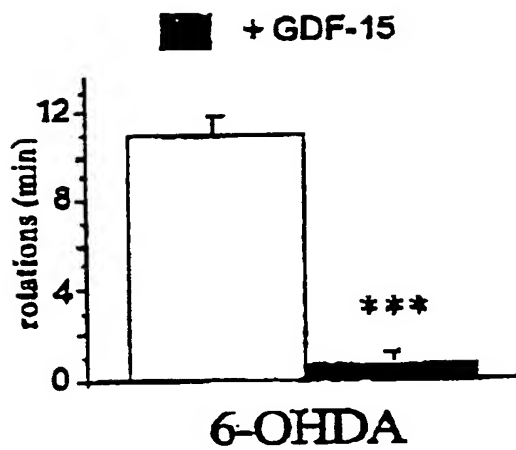
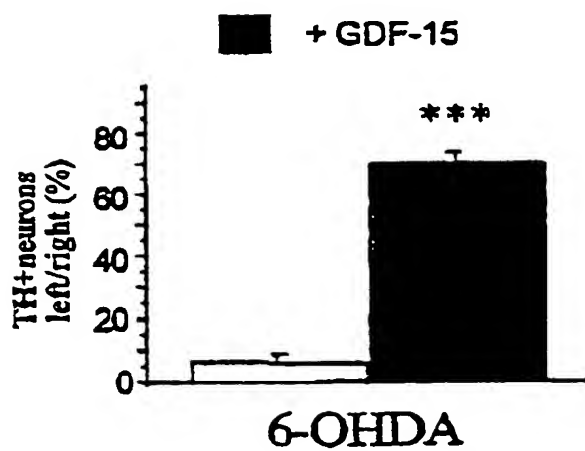
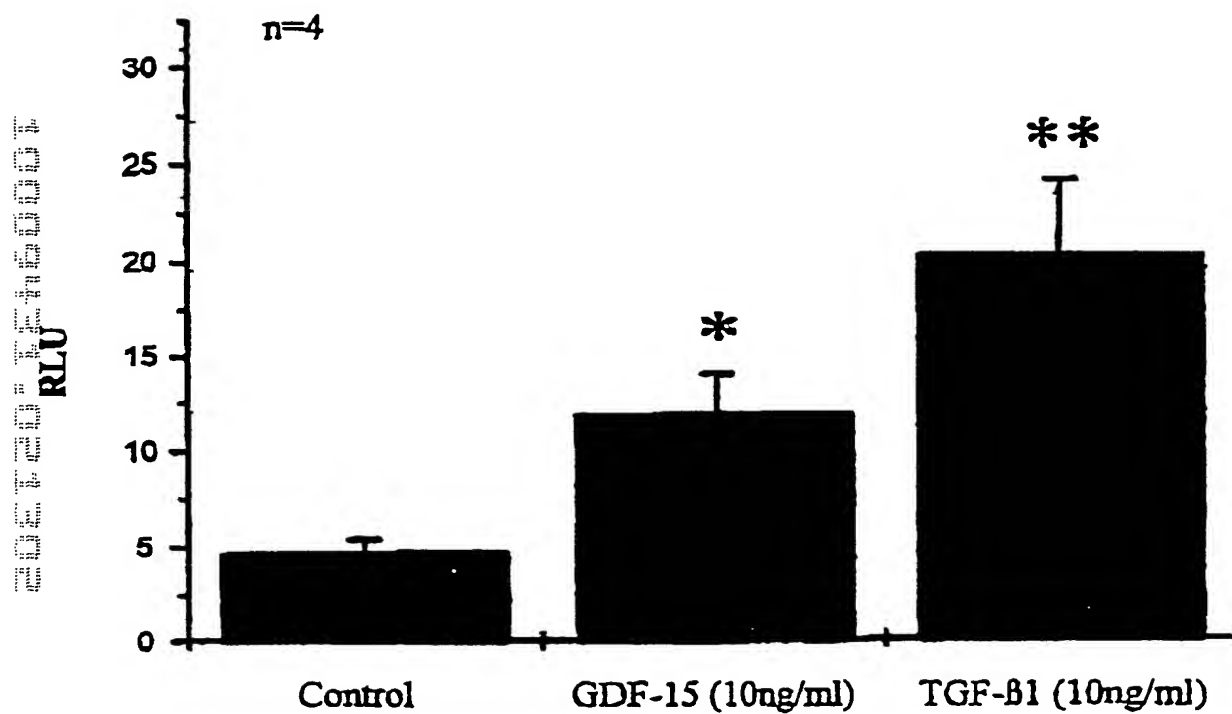


Fig. 5B



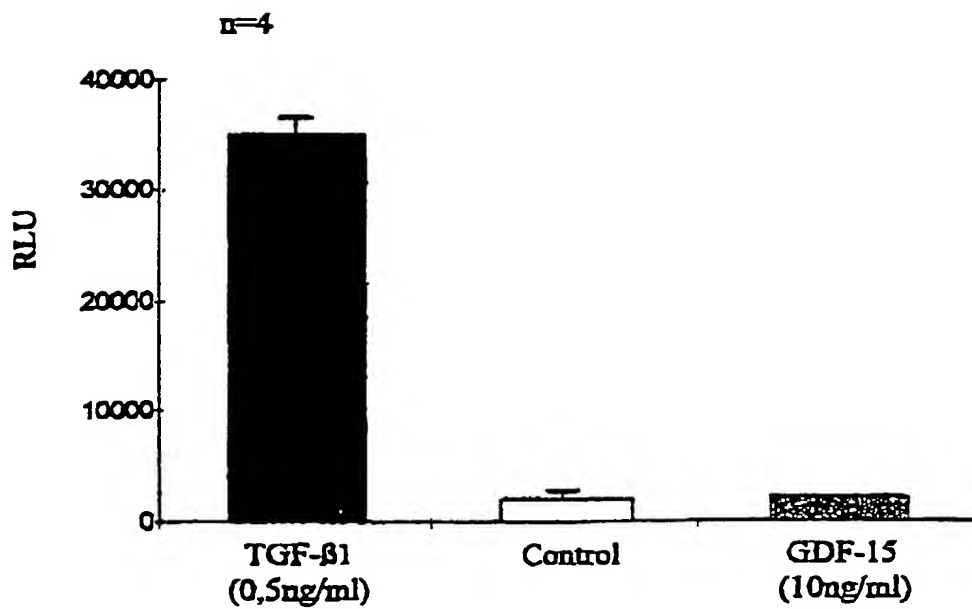
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Fig. 6A



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Fig. 6B





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Fig. 7A

cDNA hGDF-15 (pre-pro-mature)

ATGCTCCTGGTGTTGCTGGTGCTCTCGTGGCTGCCGCATGGGGGCGCCCTGTCTCTGGCCG  
AGGCGAGCCGCGCAAGTTTCCCGGGACCCTCAGAGTTGCACTCCGAAGACTCCAGATTCCG  
AGAGTTGCGGAAACGCTACGAGGACCTGCTAACCAGGCTGCGGGCCAACCAGAGCTGGGAA  
GATTCGAACACCGACCTCGTCCCGGCCCTGCACTCCGGATACTCACGCCAGAAGTGCGGC  
TGGGATCCGGCGGCCACCTGCACCTGCGTATCTCTCGGGCCGCCCTTCCCGAGGGGCTCCC  
CGAGGCCTCCCGCCTTCACCGGGCTCTGTTCCGGCTGTCCCCGACGGCGTCAAGGTCGTGG  
GACGTGACACGACCGCTGCGGCGTCAGCTCAGCCTTGCAAGACCCAGGCGCCCGCGCTGC  
ACCTGCGACTGTCGCCGCCGCCGTCGCGAGTCGGACCAACTGCTGGCAGAATCTTCGTCCGC  
ACGGCCCCAGCTGGAGTTGCACTTGCGGCCGCAAGCCGCCAGGGGGCGCCGCAGAGCGCGT  
GCGCGCAACGGGGACGACTGTCCGCTCGGGCCCGGGCGTTGCTGCCGTCTGCACACGGTCC  
GCGCGTCGCTGGAAGACCTGGGCTGGGCCGATTGGGTGCTGTGCCACGGGAGGTGCAAGT  
GACCATGTGCATCGGCGCGTGGCCGAGCCAGTTCCGGGCGGCAACATGCACGCGCAGATC  
AAGACGAGCCTGCACCGCCTGAAGCCCGACACGGTGCCAGCGCCCTGCTGCGTGCCCGCCA  
GCTACAATCCCATGGTGCTCTTACAAAAGACCGACACCGGGGTGTGCTCCAGACCTATGA  
TGACTTGTTAGCCAAAGACTGCCACTGCATATGA

Fig. 7B

protein hGDF-15 (pre-pro-mature)

MLLVLLVLSWLPHGGSLSLAESRASFPGPSELHTEDSRFRELRKRYE  
DLLTRLRANQSWEDSNTDLVPAPAVRIILTPEVRLGSGHLHLRISRAALPEGLPEASRLHR  
ALFRLSPTASRSWDVTRPLRRQLSLARPQAPALHLRLSPPPSQSDQLLAESSSARPOLELH  
LRPQAARGRRRARARNGDHCPLGPGRCCLHTVRSLEDLGWADWVLSPREVQVTMCIGAC  
PSQFRAANMHAQIKTSLHRLKPDTVPAPCCVPASYNPMVLIQKTDGTGVSLLQTYDDLAKDC  
HCI

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Fig. 8A

cDNA hGDF-15 (mature)

GCGCGCAACGGGGACGACTGTCCGCTCGGGCCCGGGCGTTGCTGCCGTCTGCACACGGTCC  
GCGCGTCGCTGGAAGACCTGGGCTGGGCCGATTGGGTGCTGTCGCCACGGGAGGTGCAAGT  
GACCATGTGCATCGGCGCGTGCCCGAGCCAGTTCCGGGCGGCAAACATGCACGCGCAGATC  
AAGACGAGCCTGCACCGCCTGAAGCCCGACACGGTGCCAGCGCCCTGCTGCGTGCCCGCCA  
GCTACAATCCCATGGTGCTCTTACAAAAGACCGACACCGGGGTGTCGCTCCAGACCTATGA  
TGACTTGTTAGCCAAAGACTGCCACTGCATATGA

Fig. 8B

protein hGDF-15 (mature)

ARNGDHCPLGPGRCCRLHTVRASLEDLGWADWVLSPREVQVTMCIGACPSQFRAANMHAQI  
KTS L H R L K P D T V P A P C C V P A S Y N P M V L I Q K T D T G V S L Q T Y D D L L A K D C H C I